

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2008 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including Boat Survey Erosion**

***San Joaquin River Basin***

<b>RD2063</b>	Overall LMA Rating	Total LMA Miles				
<b>Reclamation District No. 2063</b>	<b>U</b>	<b>10.60</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	6.59		6.59	62.17%		
Trim / Thin Trees	0.03		0.03	0.28%		
Encroachments	0.02	0.01	0.06	0.57%		
Slope Stability	0.01		0.01	0.09%		
Crown Surface / Depressions / Rutting	0.34		0.34	3.21%		
Flap Gates	0.02		0.02	0.19%		
Sluice / Slide Gates		0.01	0.04	0.38%		
Boat Survey Erosion	0.01		0.01	0.09%		
<b>LMA Totals:</b>	<b>7.02</b>	<b>0.02</b>	<b>7.10</b>	<b>66.98%</b>	<b>0.00</b>	<b>0.00</b>

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2008 Levee Inspection Results**

**Reclamation District No. 2063**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2008 Levee Inspection Results**

**Reclamation District No. 2063**

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	10.60

	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	3/27/2008		9/15/2008	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

Check one:

☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to : DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 San Joaquin River						Right	10.60	09/15/2008		Richard Willoughby	
LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.00	0.51	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.478985 ° -121.044665 °	37.471567 ° -121.044567 °		22
2	0.00	0.51	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.478973 ° -121.044668 °	37.471570 ° -121.044565 °		21
3	0.59	0.60	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: concrete rubble with rebar ,rebar should be removed.	37.470788 ° -121.043670 °	37.470677 ° -121.043508 °	Y	3
4	1.35	1.35	Interior Drainage & Piping Systems	Sluice / Slide Gates	WS	A		37.464295 ° -121.032658 °	37.464295 ° -121.032658 °		4
5	1.47	1.50	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.462687 ° -121.032067 °	37.462278 ° -121.031973 °		24
6	1.47	1.50	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.462687 ° -121.032067 °	37.462290 ° -121.031970 °		23
7	1.89	1.89	Earthen Levee	Encroachments	LS	M	Garbage Inspector Comments: Garbage should be removed landward toe.	37.457160 ° -121.033743 °	37.457160 ° -121.033743 °	Y	5
8	1.92	1.92	Interior Drainage & Piping Systems	Sluice / Slide Gates	WS	U	Inspector Comments: Screw gate buried, not able to operate.	37.456745 ° -121.033795 °	37.456745 ° -121.033795 °	Y	6
9	1.92	1.92	Interior Drainage & Piping Systems	Flap Gates	WS	M	Inspector Comments: Flap gate not visible.	37.456747 ° -121.033793 °	37.456747 ° -121.033793 °		7
10	1.92	2.09	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.456747 ° -121.033793 °	37.454583 ° -121.032543 °		25
11	2.44	2.55	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.450752 ° -121.028872 °	37.449548 ° -121.027598 °		26
12	2.44	2.73	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.450752 ° -121.028872 °	37.447393 ° -121.025893 °		27
13	2.66	2.66	Interior Drainage & Piping Systems	Flap Gates	WS	M		37.448247 ° -121.026508 °	37.448247 ° -121.026508 °	Y	8
14	2.72	2.72	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Sinkhole; 7'x7'x2'	37.447450 ° -121.026090 °	° °		966
15	2.72	2.72	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.447487 ° -121.025995 °	37.447487 ° -121.025995 °	Y	9

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 San Joaquin River						Right	10.60	09/15/2008		Richard Willoughby	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
16	2.98	2.98	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.443865 ° -121.025780 °	37.443865 ° -121.025780 °	Y	10
17	3.34	3.34	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.441233 ° -121.021132 °	37.441233 ° -121.021132 °	Y	11
18	3.69	3.69	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.436907 ° -121.017937 °	37.436907 ° -121.017937 °	Y	12
19	3.70	3.87	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.436802 ° -121.017787 °	37.435350 ° -121.015485 °		28
20	3.70	4.14	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.436803 ° -121.017788 °	37.432090 ° -121.012968 °		29
21	3.96	4.14	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.434410 ° -121.014293 °	37.432092 ° -121.012970 °		30
22	4.04	4.10	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.433415 ° -121.013568 °	37.432490 ° -121.013277 °		31
23	4.08	4.08	Interior Drainage & Piping Systems	Flap Gates	WS	A		37.432845 ° -121.013498 °	37.432845 ° -121.013498 °	Y	13
24	4.10	4.10	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.432470 ° -121.013368 °	37.432470 ° -121.013368 °		14
25	4.11	4.11	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.432392 ° -121.013322 °	37.432392 ° -121.013322 °		15
26	4.45	4.80	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.428998 ° -121.009085 °	37.430073 ° -121.003200 °		32
27	4.70	4.90	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.429793 ° -121.005037 °	37.429775 ° -121.001567 °		33
28	5.13	5.13	Earthen Levee	Encroachments	LS	U	Pipe Inspector Comments: Landowner modify pipe structure and cut into landside slope without permission from CVFPB. See field investigation report for more detail.	37.427210 ° -120.999288 °	37.477210 ° -120.992880 °	Y	50
29	5.24	5.74	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.425587 ° -120.999820 °	37.420113 ° -120.999478 °		34
30	5.24	5.74	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.425587 ° -120.999820 °	37.420113 ° -120.999478 °		35

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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 San Joaquin River						Right	10.60	09/15/2008		Richard Willoughby	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
31	5.85	5.89	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.418915 ° -120.998178 °	37.418412 ° -120.997808 °		36
32	5.93	6.33	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.417918 ° -120.997627 °	37.413840 ° -121.001592 °		37
33	6.03	6.36	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.416498 ° -120.997435 °	37.413490 ° -121.001605 °		38
34	6.89	6.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.411785 ° -120.993548 °	37.411785 ° -120.993548 °		39
35	7.08	7.08	Earthen Levee	Slope Stability	LS	M	Repair slope instability.	37.409112 ° -120.992027 °	37.409112 ° -120.992027 °	Y	40
36	7.14	7.54	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.408208 ° -120.992045 °	37.404038 ° -120.987882 °		41
37	7.14	7.54	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.408208 ° -120.992045 °	37.404037 ° -120.987882 °		42
38	7.68	7.93	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.403518 ° -120.985883 °	37.401508 ° -120.982385 °		43
39	7.69	7.93	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.403498 ° -120.985862 °	37.401508 ° -120.982385 °		44
40	8.48	8.54	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.399187 ° -120.973865 °	37.398758 ° -120.973078 °		45
41	8.48	8.54	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.399187 ° -120.973865 °	37.398758 ° -120.973077 °		46
42	10.38	10.62	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.390557 ° -120.945715 °	37.390508 ° -120.941290 °		47
43	10.39	10.62	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.390562 ° -120.945477 °	37.390503 ° -120.941292 °		48
44	10.39	10.62	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.390562 ° -120.945477 °	37.390493 ° -120.941298 °		49

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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Right	10.60	09/15/2008	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.59
End Levee Mile	0.60
Location	
Category	Earthen Levee
Item	Encroachments
Concrete rubble with rebar from LM 0.59 to 0.60	



Levee Mile Report Line	7
Start Levee Mile	1.89
End Levee Mile	1.89
Location	
Category	Earthen Levee
Item	Encroachments
Concrete and tree stumps on landside slope at LM 1.89	



Levee Mile Report Line	8
Start Levee Mile	1.92
End Levee Mile	1.92
Location	
Category	Interior Drainage & Piping Systems
Item	Sluice / Slide Gates
Screw gate buried on landside slope at LM 1.92	

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Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Right	10.60	09/15/2008	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	2.66
End Levee Mile	2.66
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Flap gate blocked at LM 2.66	



Levee Mile Report Line	13
Start Levee Mile	2.66
End Levee Mile	2.66
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Front view of blocked flap gate at LM 2.62	



Levee Mile Report Line	15
Start Levee Mile	2.72
End Levee Mile	2.72
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Acceptable flap gate at LM 2.72 on 03/27/08	

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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Right	10.60	09/15/2008	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	2.98
End Levee Mile	2.98
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Acceptable flap gate at LM 2.98 on 03/27/08	



Levee Mile Report Line	17
Start Levee Mile	3.34
End Levee Mile	3.34
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Acceptable flap gate at LM 3.34 on 03/27/08	



Levee Mile Report Line	18
Start Levee Mile	3.69
End Levee Mile	3.69
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Acceptable flap gate at LM 3.69 on 03/27/08	

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**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Right	10.60	09/15/2008	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	4.08
End Levee Mile	4.08
Location	
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Acceptable flap gate at LM 4.08 on 03/27/08	



Levee Mile Report Line	28
Start Levee Mile	5.13
End Levee Mile	5.13
Location	
Category	Earthen Levee
Item	Encroachments
View of cut into landside slope	



Levee Mile Report Line	28
Start Levee Mile	5.13
End Levee Mile	5.13
Location	
Category	Earthen Levee
Item	Encroachments
View of concrete stand pipe and encased pipe on landside toe.	

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**Levee Inspection Report By Mile - Fall 2008**

**Reclamation District No. 2063**

Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 San Joaquin River	Right	10.60	09/15/2008	Richard Willoughby

Levee Mile Report Line	35
Start Levee Mile	7.08
End Levee Mile	7.08
Location	
Category	Earthen Levee
Item	Slope Stability
Erosion located on landside slope above irrigation canal. Erosion cause by animal traffic	

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